

Project Name: PACKAGE 1 8-17-2011
 Description: S LINE
 Horizontal Alignment Name: S LINE SOUTH
 Description: Centerline of Right Track (SB)
 Style: Default

	STATION	NORTHING	EASTING
Element: Linear			
POB ()	10270+10.29	2202746.35	6278413.79
TS ()	10333+91.57	2197804.15	6282450.54
Tangent Direction:	S 39^14'30" E		
Tangent Length:	6381.28		
Element: Cosine			
TS ()	10333+91.57	2197804.15	6282450.54
SPI ()	10347+96.93	2196715.72	6283339.56
SC ()	10353+91.57	2196268.78	6283732.02
Entrance Radius:	0.00		
Exit Radius:	28016.50		
Length:	2000.00		
Angle:	2^02'42" Left		
Constant:	7485.52		
Long Tangent:	1405.36		
Short Tangent:	594.79		
Long Chord:	1999.88		
Xs:	1999.77		
Ys:	21.23		
P:	3.38		
K:	999.98		
Tangent Direction:	S 39^14'30" E		
Radial Direction:	S 50^45'30" W		
Chord Direction:	S 39^50'59" E		
Radial Direction:	S 48^42'48" W		
Tangent Direction:	S 41^17'12" E		
Element: Circular			
SC ()	10353+91.57	2196268.78	6283732.02
PI ()	10373+68.27	2194783.46	6285036.30
CC ()		2214754.86	6304784.08
CS ()	10393+38.42	2193495.99	6286536.21
Radius:	28016.50		
Delta:	8^04'18" Left		
Degree of Curvature(Arc):	0^12'16"		
Length:	3946.85		
Tangent:	1976.70		
Chord:	3943.59		
Middle Ordinate:	69.47		
External:	69.65		
Tangent Direction:	S 41^17'12" E		
Radial Direction:	S 48^42'48" W		
Chord Direction:	S 45^19'21" E		
Radial Direction:	S 40^38'30" W		
Tangent Direction:	S 49^21'30" E		
Element: Cosine			
CS ()	10393+38.42	2193495.99	6286536.21
SPI ()	10399+33.21	2193108.59	6286987.53
ST ()	10413+38.42	2192231.88	6288085.91
Entrance Radius:	28016.50		
Exit Radius:	0.00		
Length:	2000.00		
Angle:	2^02'42" Left		
Constant:	7485.52		
Long Tangent:	1405.36		
Short Tangent:	594.79		
Long Chord:	1999.88		
Xs:	1999.77		
Ys:	21.23		
P:	3.38		
K:	999.98		
Tangent Direction:	S 49^21'30" E		
Radial Direction:	S 40^38'30" W		
Chord Direction:	S 50^47'43" E		
Radial Direction:	S 38^35'48" W		
Tangent Direction:	S 51^24'12" E		
Element: Linear			
ST ()	10413+38.42	2192231.88	6288085.91
TS ()	10544+19.91	2184071.22	6298309.85

Tangent Direction:	S 51^24'12" E		
Tangent Length:	13081.49		

Element: Cosine

TS ()	10544+19.91	2184071.22	6298309.85
SPI ()	10552+63.09	2183545.22	6298968.84
SC ()	10556+19.91	2183320.23	6299245.81
Entrance Radius:	0.00		
Exit Radius:	70000.00		
Length:	1200.00		
Angle:	0^29'28" Right		
Constant:	9165.15		
Long Tangent:	843.17		
Short Tangent:	356.83		
Long Chord:	1200.00		
Xs:	1199.99		
Ys:	3.06		
P:	0.49		
K:	600.00		
Tangent Direction:	S 51^24'12" E		
Radial Direction:	S 38^35'48" W		
Chord Direction:	S 51^15'27" E		
Radial Direction:	S 39^05'16" W		
Tangent Direction:	S 50^54'44" E		

Element: Circular

SC ()	10556+19.91	2183320.23	6299245.81
PI ()	10562+21.13	2182941.16	6299712.45
CC ()		2128987.48	6255110.19
CS ()	10568+22.31	2182554.13	6300172.52
Radius:	70000.00		
Delta:	0^59'03" Right		
Degree of Curvature(Arc):	0^04'55"		
Length:	1202.39		
Tangent:	601.21		
Chord:	1202.38		
Middle Ordinate:	2.58		
External:	2.58		
Tangent Direction:	S 50^54'44" E		
Radial Direction:	S 39^05'16" W		
Chord Direction:	S 50^25'13" E		
Radial Direction:	S 40^04'19" W		
Tangent Direction:	S 49^55'41" E		

Element: Cosine

CS ()	10568+22.31	2182554.13	6300172.52
SPI ()	10571+79.14	2182324.42	6300445.59
ST ()	10580+22.31	2181776.12	6301086.14
Entrance Radius:	70000.00		
Exit Radius:	0.00		
Length:	1200.00		
Angle:	0^29'28" Right		
Constant:	9165.15		
Long Tangent:	843.17		
Short Tangent:	356.83		
Long Chord:	1200.00		
Xs:	1199.99		
Ys:	3.06		
P:	0.49		
K:	600.00		
Tangent Direction:	S 49^55'41" E		
Radial Direction:	S 40^04'19" W		
Chord Direction:	S 49^34'59" E		
Radial Direction:	S 40^33'47" W		
Tangent Direction:	S 49^26'13" E		

Element: Linear

ST ()	10580+22.31	2181776.12	6301086.14
TS ()	10593+55.51	2180909.17	6302098.96
Tangent Direction:	S 49^26'13" E		
Tangent Length:	1333.20		

Element: Cosine

TS ()	10593+55.51	2180909.17	6302098.96
SPI ()	10607+60.87	2179995.28	6303166.60
SC ()	10613+55.51	2179592.62	6303604.36
Entrance Radius:	0.00		
Exit Radius:	28000.00		
Length:	2000.00		

Angle:	2^02'47"	Right		
Constant:	7483.31			
Long Tangent:	1405.36			
Short Tangent:	594.79			
Long Chord:	1999.88			
Xs:	1999.77			
Ys:	21.24			
P:	3.38			
K:	999.98			
Tangent Direction:	S 49^26'13"	E		
Radial Direction:	S 40^33'47"	W		
Chord Direction:	S 48^49'43"	E		
Radial Direction:	S 42^36'33"	W		
Tangent Direction:	S 47^23'27"	E		

Element: Circular

SC (	)	10613+55.51	2179592.62	6303604.36
PI (	)	10624+10.92	2178878.11	6304381.12
CC (	)		2158984.95	6284648.51
CS (	)	10634+65.32	2178107.16	6305101.90
Radius:		28000.00		
Delta:		4^19'02"	Right	
Degree of Curvature(Arc):		0^12'17"		
Length:		2109.81		
Tangent:		1055.41		
Chord:		2109.31		
Middle Ordinate:		19.87		
External:		19.88		
Tangent Direction:		S 47^23'27"	E	
Radial Direction:		S 42^36'33"	W	
Chord Direction:		S 45^13'56"	E	
Radial Direction:		S 46^55'35"	W	
Tangent Direction:		S 43^04'25"	E	

Element: Cosine

CS (	)	10634+65.32	2178107.16	6305101.90
SPI (	)	10640+60.11	2177672.68	6305508.10
ST (	)	10654+65.32	2176612.48	6306430.60
Entrance Radius:		28000.00		
Exit Radius:		0.00		
Length:		2000.00		
Angle:		2^02'47"	Right	
Constant:		7483.31		
Long Tangent:		1405.36		
Short Tangent:		594.79		
Long Chord:		1999.88		
Xs:		1999.77		
Ys:		21.24		
P:		3.38		
K:		999.98		
Tangent Direction:		S 43^04'25"	E	
Radial Direction:		S 46^55'35"	W	
Chord Direction:		S 41^38'09"	E	
Radial Direction:		S 48^58'22"	W	
Tangent Direction:		S 41^01'38"	E	

Element: Linear

ST (	)	10654+65.32	2176612.48	6306430.60
POE (	)	10806+00.00	2165194.92	6316365.27
Tangent Direction:		S 41^01'38"	E	
Tangent Length:		15134.68		